

## Recovery Plan Action Status

**Plan Name:** Recovery Plan for Kneeland Prairie Penny-cress (*Thlaspi californicum*)

**Plan Status:** Final

**Plan Date:** 14-Aug-03

**Lead Agency:** USFWS

**Lead Office:** Arcata Fish And Wildlife Office

(907)

822-7201 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Kneeland Prairie penny-cress ( <i>Thlaspi californicum</i> )	1	1.1	Secure and protect occupied and suitable habitat	Not Started			Humboldt County, California, U.S. Fish and Wildlife Service, California Department of Fish and Game, California Department of Forestry and Fire Protection	Acquisition: General	Species Expert	Primary landowner contacted in 2011; continues to refuse to negotiate. Cost based on fair market value; actual cost may vary
Kneeland Prairie penny-cress ( <i>Thlaspi californicum</i> )	1	1.2	Continue to implement annual monitoring of all colonies, expand scope of monitoring to include population characteristics and life history, and periodically review effectiveness of CDFFP Policies Directive	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service	Research: General	Internal Field Assistance	Primary landowner will not authorize access for monitoring; the portion of the population located on CDF and property with legal access is monitored periodically; Census counts were made for all colonies except the largest (access denied) in 2011.
Kneeland Prairie penny-cress ( <i>Thlaspi californicum</i> )	1	1.3	Finalize and implement CDFFP Policies and Procedures Directive	Partially Complete			California Department of Forestry and Fire Protection	Management: Planning	Internal Technical Assistance	CDFFP management policy pertaining to the site remains a draft.
Kneeland Prairie penny-cress ( <i>Thlaspi californicum</i> )	1	1.4	Provide educational opportunities and facilitate coordination among stakeholders	Ongoing Current	FY 2000 - FY 2004		Humboldt County, California, U.S. Fish and Wildlife Service, California Department of Fish and Game, California Department of Forestry and Fire Protection	Other: Information and Education	Internal Technical Assistance	Primary landowner will not authorize access; periodic contact made with surrounding affected landowners. As opportunity arises, educational outreach to schools, community events. Coordination with County regarding airport upgrades.

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Kneeland Prairie penny-cress (Thlaspi californicum)	2	2.1	Characterize genetic variation within and between colonies of Thlaspi californicum and compare to T. montanum	Partially Complete	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Research: General	Contract	\$8000 spent to date. No recent activity.
Kneeland Prairie penny-cress (Thlaspi californicum)	2	2.2	Investigate reproductive biology of T. californicum	Ongoing Not Current	FY 2005		U.S. Fish and Wildlife Service	Research: Propagation	Contract	Primary landowner will not authorize access.
Kneeland Prairie penny-cress (Thlaspi californicum)	2	3.1	Identify and clarify site characteristics necessary to sustain T. californicum	Partially Complete	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Research: Habitat Requirements	Species Expert	Initial site characterization completed in 2001 including soils and weather data; \$5000 spent to date. No recent activity.
Kneeland Prairie penny-cress (Thlaspi californicum)	2	3.2	Determine optimum seed germination and propagation methods. Develop a seedling bank	Ongoing Current	FY 2005		U.S. Fish and Wildlife Service	Research: General	Contract	Seed germination study ongoing.
Kneeland Prairie penny-cress (Thlaspi californicum)	2	3.3	Develop and implement a peer reviewed plan to augment, repatriate, introduce, and monitor T. californicum	Not Started			U.S. Fish and Wildlife Service	Management: Planning	Species Expert	Primary landowner will not authorize access.
Kneeland Prairie penny-cress (Thlaspi californicum)	2	4	Collect seed and secure storage at a Center for Plant Conservation approved facility	Not Started			U.S. Fish and Wildlife Service	Management: Planning	Internal Field Assistance	Primary landowner will not authorize access.
Kneeland Prairie penny-cress (Thlaspi californicum)	2	5.1	Clarify the role of fire in ecology of T. californicum	Not Started			U.S. Fish and Wildlife Service	Research: General	Internal Field Assistance	
Kneeland Prairie penny-cress (Thlaspi californicum)	2	5.2	Clarify the threat posed by herbivory, cattle grazing, encroachment of non-native plants on T. californicum and its habitat	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Research: General	Internal Field Assistance	Baseline study plots installed in 2002.
Kneeland Prairie penny-cress (Thlaspi californicum)	3	6	Conduct surveys for new populations of T. californicum	Partially Complete	FY 2000 - FY 2004		U.S. Fish and Wildlife Service	Research: Population Surveys	Contract	\$4000 spent to date. No recent activity.

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Kneeland Prairie penny-cress (Thlaspi californicum)	3	7	Construct a fence along Mountain view Road adjacent to T. californicum habitat	Planned			Humboldt County, California, U.S. Fish and Wildlife Service	Management: General	Contract	Distrubance to boulders within the habitat in 2011 solicited discussion between primary landowner and Service regarding need for fence to discourage trespass. No resolution.
Kneeland Prairie penny-cress (Thlaspi californicum)	3	8	Restore or create suitable habitat.	Not Started			Humboldt County, California, U.S. Fish and Wildlife Service, California Department of Fish and Game, California Department of Forestry and Fire Protection	Management: Habitat Maintenance and Manipulation, Research: General	Internal Field Assistance	